

Title (en)

DISPLACEMENT SENSOR DEVICE AND SYSTEM

Title (de)

VERDRÄNGUNGSSENSORVORRICHTUNG UND SYSTEM

Title (fr)

DISPOSITIF ET SYSTÈME DE CAPTEUR DE DÉPLACEMENT

Publication

**EP 3111174 A1 20170104 (EN)**

Application

**EP 15707912 A 20150226**

Priority

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Abstract (en)

[origin: WO2015128431A1] The present invention relates to a displacement sensor device and the system including the device, wherein the device comprises a first at least partially transparent plane surface with a first diffraction pattern and a second plane surface comprising a second reflecting diffraction pattern. The diffractive patterns being adapted to diffract light within a chosen range of wavelengths, the second surface being positioned below and parallel to the first surface constituting a pair wherein said first and second diffractive patterns being essentially equal, the device also comprising displacement means for allowing a movement in a direction parallel to said surfaces, the device thus providing a movement sensitive diffraction pattern.

IPC 8 full level

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CPC (source: EP US)

**G01D 5/38** (2013.01 - EP US); **G01P 15/093** (2013.01 - EP US); **G01P 15/18** (2013.01 - US); **G02B 5/1828** (2013.01 - US); **G02B 26/0808** (2013.01 - US)

Citation (search report)

See references of WO 2015128431A1

Cited by

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Designated extension state (EPC)

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DOCDB simple family (publication)

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